IAN BENNIE AND ASSOCIATES

TEST REPORT NO. 2014-045-S2.1 to 2.8

HANITA '4 MIL' FILM ON 4 MM FLOAT GLASS IMPACT TEST to AS/NZS 2208 - 1996

for

Hanita Pacific

December 2014

NATA

Accredited Laboratory No. 2371
Accredited for compliance with ISO/IEC 17025.

IAN BENNIE & ASSOCIATES PTY. LTD.

Building Performance Testing

ACN : 007 133 253

NATA
Accredited
Laboratory
No. 2371

TEST REPORT NUMBER 2014-045-S2.1 to 2.8

Test Client: **Hanita Pacific**

Sample I.D: Material: Hanita '4 mil' film on 4 mm float glass (film applied by Hanita)
Size: 1900 mm x 860 mm (default size)
Number of identical samples supplied: 8

Test Method: In accordance with Appendix D Impact Test of AS/NZS2208-1996, Safety Glazing Materials in Buildings, amended 1999, the eight samples were tested for compliance with the requirements for Grade A Safety Glazing Materials. As the sample was asymmetrical, four samples were impacted on the film side (Samples 2.1 to 2.4) and four on the glass side (Samples 2.5 to 2.8).

Conditioning: All samples were stored in a temperature control test room for more than 24 hours with an ambient temperature of 22 ± 3° C prior to testing. All tests were conducted in the same room with the temperature maintained.

Result: Observations are given in Table 1.

Conclusion: The Hanita '4 mil' film on 4 mm float glass material passed the impact test requirements for Grade A Safety Glazing Materials.

Test Location: Ian Bennie & Associates Test Centre

Test Date(s): 10 November 2014

Test Officer: Ian Bennie

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Table 1. Test Observations

Sample	Drop height when breakage occurred (mm)	Observations	Result
S2.1 FS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S2.2 FS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S2.3 FS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S2.4 FS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S2.5 GS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S2.6 GS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S2.7 GS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass
S2.8 GS	300	Numerous cracks were created in the glass but no openings occurred. No significant pieces released from the sample with only fine splinters of glass falling off.	Pass

FS = film side impact

GS = glass side impact

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Ian Bennie, 1 December 2014
Authorised NATA Signatory